

JUN 23-2005 09:28

FPCD6133

972 917 4418

P.02/02

complete and send this form, together with applicable fee(s), to: **Mail**

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
(703) 746-4000

or Fax

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

23494 7590 05/25/2005

TEXAS INSTRUMENTS INCORPORATED
P O BOX 655474, M/S 3999
DALLAS, TX 75265

06/23/2005 HDENESS2 00000058 200668 09922366

01 FC:1501 1400.00 DA
 02 FC:1504 300.00 DA

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmittal

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

| | |
|-----------------|--------------------|
| Robin E. Barnum | (Depositor's name) |
| | (Signature) |
| June 23, 2005 | (Date) |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/922,366 | 08/03/2001 | Chris Heegard | ALA 110 | 7792 |

TITLE OF INVENTION: JOINT EQUALIZATION AND DECODING USING A SEARCH-BASED DECODING ALGORITHM **TI-33032**

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO | \$1400 | \$300 | \$1700 | 08/25/2005 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|-------------------|----------|----------------|
| BOCURE, TESFALDET | 2631 | 375-341000 |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Abdul Zindani
 2 W. James Brady, III
 3 Frederick J. Telecky, Jr.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
 PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.111. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE
Texas Instruments Incorporated

(B) RESIDENCE: (CITY and STATE OR COUNTRY)
Dallas, TX USA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:
☒ Issue Fee
☒ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s):
☐ A check in the amount of the fee(s) is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number **20-0668** (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)
☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.
 NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature
 Typed or printed name **Abdul Zindani**

Date **June 23, 2005**
 Registration No. **46,091**

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



JUN-23-2005 09:28

FPCD6133

972 917 4418

P.01/02

To:

Technology Center: **ISSUE FEES**

Total Pages Sent: 2

Facsimile Number: **703-746-4000**

From:

Abdul Zindani

Texas Instruments Incorporated

Facsimile: 972-917-4418

Phone: 972-917-5137

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

TI-33032

Chris Heegard, et al.

Art Unit: 2631

Serial No.: 09/922,366

Examiner: Tesfaldet Bocure

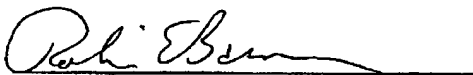
Filed: August 3, 2001

Conf. No.: 7792

For: Joint Equalization and Decoding Using a Search-Based Decoding Algorithm

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that the following papers are being transmitted by facsimile to the U.S. Patent and Trademark Office 703-746-4000 on the date shown below:


Robin E. Barnum

June 23, 2005
Date

FACSIMILE COVER SHEET

| | |
|--|---|
| <input checked="" type="checkbox"/> FACSIMILE COVER SHEET | <input type="checkbox"/> AMENDMENT <input checked="" type="checkbox"/> (# Pages) |
| <input type="checkbox"/> NEW APPLICATION | <input type="checkbox"/> EOT (# Pages) |
| <input type="checkbox"/> DECLARATION (# Pages) | <input type="checkbox"/> NOTICE OF APPEAL (# Pages) |
| <input type="checkbox"/> ASSIGNMENT (# Pages) | <input type="checkbox"/> APPEAL (# Pages) |
| <input type="checkbox"/> FORMAL DRAWINGS | <input checked="" type="checkbox"/> ISSUE FEE (1 Page) |
| <input type="checkbox"/> INFORMAL DRAWINGS | <input type="checkbox"/> REPLY BRIEF (IN TRIPLICATE) (# Pages) |
| <input type="checkbox"/> CONTINUATION APP'N (# Pages) | |
| <input type="checkbox"/> DIVISIONAL APP'N | |
| NAME OF INVENTOR(S): Chris Heegard, et al. | |
| RECEIPT DATE & SERIAL NO.: Serial No.: 09/922,366 Filing Date: August 3, 2001 | |
| TITLE OF INVENTION: Joint Equalization and Decoding Using a Search-Based Decoding Algorithm | |
| TI FILB NO.: TI-33032 | DEPOSIT ACCT. NO.: 20-0668 |
| FAXED: 6/23/05 DUE: 8/25/05 ATTY/SECY: AZ/reb | |

This facsimile is intended only for the use of the address named and contains legally privileged and/or confidential information. If you are not the intended recipient of this telecopy, you are hereby notified that any dissemination, distribution, copying or use of this communication is strictly prohibited. Applicable privileges are not waived by virtue of the document having been transmitted by Facsimile. Any misdirected facsimiles should be returned to the sender by mail at the address indicated on this cover sheet.

Texas Instruments Incorporated
PO Box 655474, M/S 3999
Dallas, TX 75265